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Phospho-PKM2-S37

Reactivity: Human

Tested applications:WB

Recommended Dilution:WB 1:500 - 1:1000

Calculated MW:60kDa

Observed MW: Refer to Figures

Immunogen:

A phospho specific peptide corresponding to residues surrounding S37 of human PKM2

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

j

Synonym:

PKM2 ; TCB; PK3; PKM2 pyruvate kinase; muscle; CTHBP; PK2;

Catalog #:AP0428

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:5315

Isotype: IgG

Swiss Prot:P14618

Purity: Affinity purification

For research use only.

Background:

Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. Stimulates POU5F1-mediated transcriptional activation. Plays a general role in caspase independent cell death of tumor cells. The ratio betwween the highly active tetrameric form and nearly inactive dimeric form determines whether glucose carbons are channeled to biosynthetic processes or used for glycolytic ATP production. The transition between the 2 forms contributes to the control of glycolysis and is important for tumor cell proliferation and survival.

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